

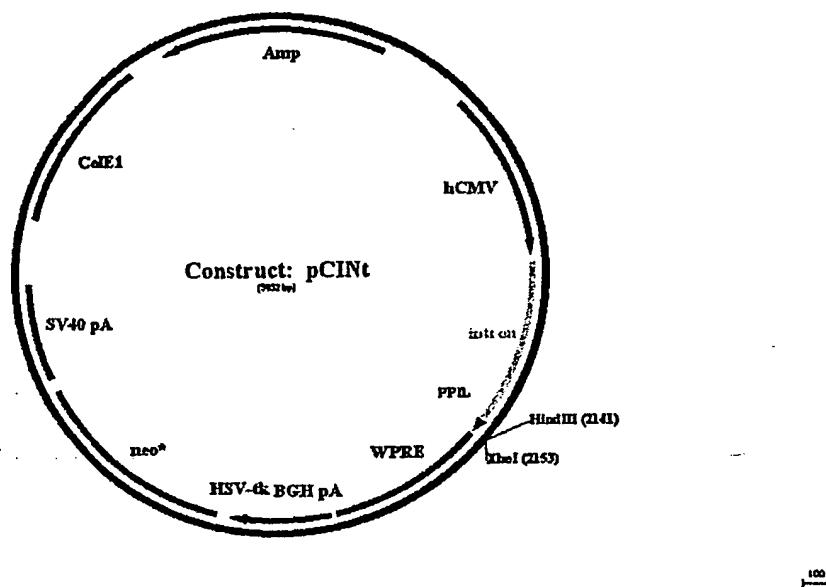
1 / 8

**FIGURE 1**

GAAF: 5'-GCGATAGGTACCGCCATGGGAGTGAGGCACCCGCCCTGCTCCC-3'

GAAR: 5'-GCGATACTCGAGTCAACACCAGCTGACGAGAAACTGCTCTCCC-3'

2 / 8

**FIGURE 2**

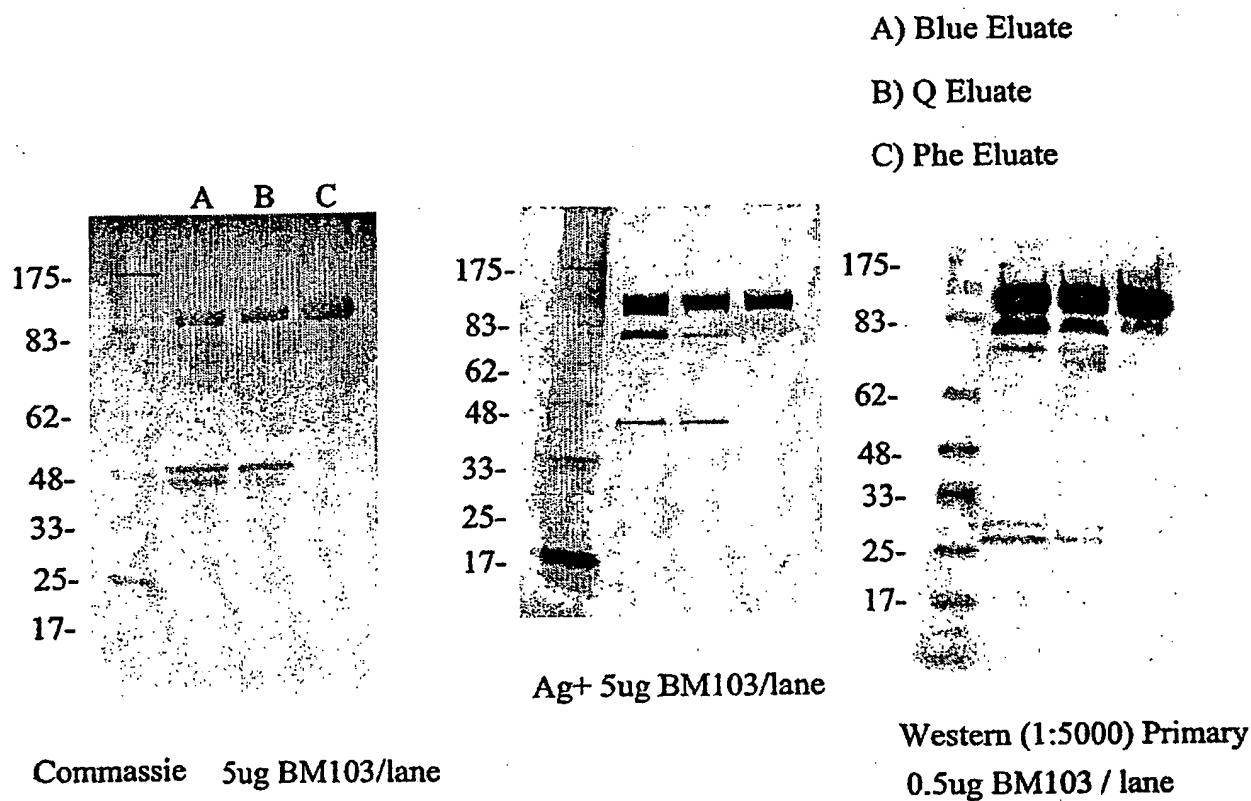
**FIGURE 3**

atgaaagggtccctcctgctgctgctggtgtcaaaccgtccctgtgccagagcgggtcc  
M K G S L L L L V S N L L L C Q S G S  
ggagccggggcccacatcctactccatgattcctgctggttccccgagagctgagtggc  
G A G A H I L L H D F L L V P R E L S G  
tcctcccccagtcctggaggagactcacccagctcaccagcagggagccagcagaccagg  
S S P V L E E T H P A H Q Q G A S R P G  
ccccggatgcccaggcacaccccgccgtcccagagcagtgccacacagtgcgacgtc  
P R D A Q A H P G R P R A V P T Q C D V  
ccccccaacagccgcttcgattgcgcccctgacaaggccatcaccaggaaacagtgcgag  
P P N S R F D C A P D K A I T Q E Q C E  
gcccgcggctgctgctacatccctgcaaagcagggctgcagggagccagatgggcag  
A R G C C Y I P A K Q G L Q G A Q M G Q  
ccctggtgcttcttcccacccagctacccagctacaagctggagaacctgagctcctct  
P W C F F P P S Y P S Y K L E N L S S S  
gaaatggctacacggccacccgtaccctgaccgtaccaccccaccttcccaaggacatc  
E M G Y T A T L T R T T P T F F P K D I  
ctgaccctgcggctggacgtatggagactgagaacctccacttcacgatcaa  
L T L R L D V M M E T E N R L H F T I K  
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D P A N R R Y E V P L E T P R V H S R A  
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P S P L Y S V E F S E E P F G V I V H R  
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Q L D G R V L L N T T V A P L F F A D Q  
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F L Q L S T S L P S Q Y I T G L A E H L  
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S P L M L S T S W T R I T L W N R D L A  
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P T P G A N L Y G S H P F Y L A L E D G  
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G S A H G V F L L N S N A M D V V L Q P  
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S P A L S W R S T G G I L D V Y I F L G  
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P E P K S V V Q Q Y L D V V G Y P F M P  
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P Y W G L G F H L C R W G Y S S T A I T  
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R Q V V E N M T R A H F P L D V Q W N D  
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L D Y M D S R R D F T F N K D G F R D F  
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P A M V Q E L H Q G G R R Y M M I V D P  
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A I S S S G P A G S Y R P Y D E G L R R  
gggtttcatcaccacgagaccggccagccgtgatggaaaggtatggccgggtcc  
G V F I T N E T G Q P L I G K V W P G S  
actgccttcccgacttcaccaacccacagccctggcctgggtggaggacatgggtcc

T A F P D F T N P T A L A W W E D M V A  
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 E F H D Q V P F D G L W I D M N E P S N  
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 F I R G S E D G C P N N E L E N P P Y V  
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 P G V V G G T L Q A A T I C A S S H Q F  
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 L S T H Y N L H N L Y G L T E P I A S H  
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 R A L V K A R G T R P F V I S R S T F A  
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 D V C G F L G N T S E E L C V R W T Q L  
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 G A F Y P F M R N H N S L L S L P Q E P  
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 Y S F S E P A Q Q A M R K A L T L R Y A  
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 L L P H L Y T L F H Q A H V A G E T V A  
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 R P L F L E F P K D S S T W T V D H Q L  
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 L W G E A L L I T P V L Q A G K A E V T  
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 G Y F P L G T W Y D L Q T V P I E A L G  
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 S L P P P P A A P R E P A I H S E G Q W  
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 V A L T K G G E A R G E L F W D D G E S  
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 L E V L E R G A Y T Q V I F L A R N N T  
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 I V N E L V R V T S E G A G L Q L Q K V  
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 E Q F L V S W C -

5 / 8

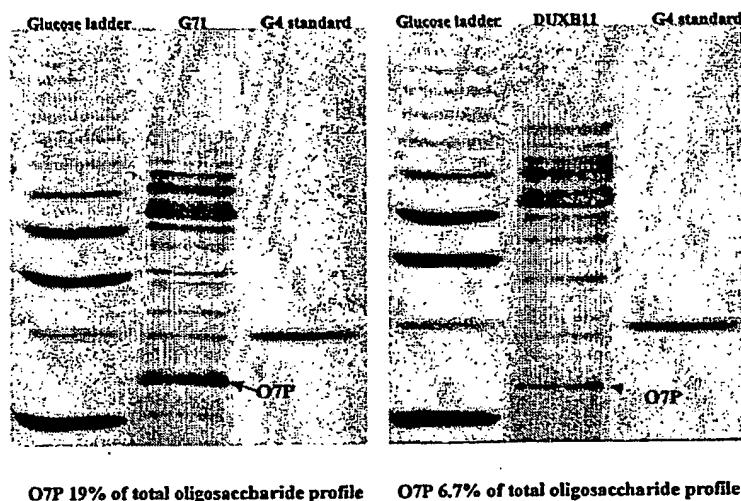
FIGURE 4



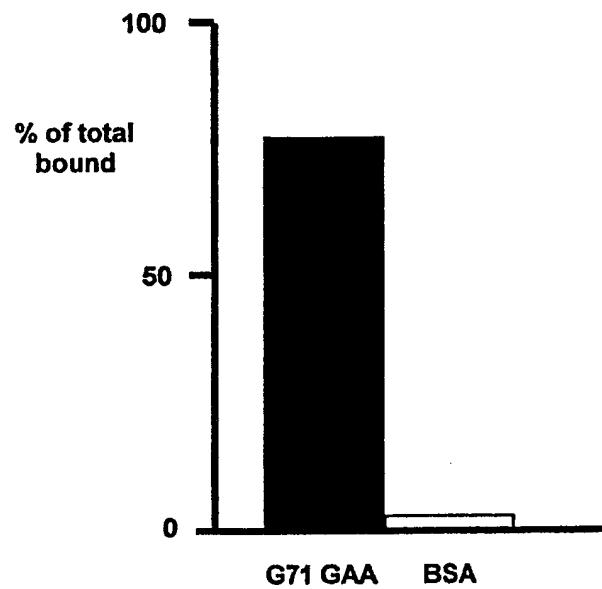
6 / 8

**FIGURE 5**

FACE profiles for GAA from G715 and DUXB11



7 / 8

**FIGURE 6**

8 / 8

**FIGURE 7**